GenCore version 4.5

OM protein - protein search, using sw model

Run on: November 28, 2001, 19:48:18 ; Search time 14.49 Seconds
(without alignments)
234.572 Million cell updates/sec

Title: US-09-516-052-2_COPY_28_177
Perfect score: 804
Sequence: 1 REQDQYMPIANVIKIMKKTL.....YGYCMLDQSMVMGGIRYYQN 150

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	804	100.0	208	4	US-09-103-478-2	Sequence 2, Appli
2	461	57.3	90	4	US-09-103-478-19	Sequence 19, Appl
3	331	41.2	90	4	US-09-103-478-20	Sequence 20, Appl
4	311	38.7	90	4	US-09-103-478-22	Sequence 22, Appl
5	305	37.9	90	4	US-09-103-478-21	Sequence 21, Appl
6	305	37.9	90	4	US-09-103-478-24	Sequence 24, Appl
7	305	37.9	90	4	US-09-103-478-25	Sequence 25, Appl
8	303	37.7	90	4	US-09-103-478-26	Sequence 26, Appl
9	280	34.8	144	4	US-09-319-989-4	Sequence 4, Appli
10	278	34.6	90	4	US-09-103-478-28	Sequence 28, Appl
11	274	34.1	85	4	US-09-103-478-27	Sequence 27, Appl
12	267	33.2	90	4	US-09-103-478-29	Sequence 29, Appl
13	203	25.2	57	4	US-09-103-478-23	Sequence 23, Appl
14	161.5	20.1	156	1	US-08-681-812-7	Sequence 7, Appli
15	82.5	10.3	133	1	US-08-681-812-5	Sequence 5, Appli
16	80	10.0	377	2	US-08-929-922B-2	Sequence 2, Appli
17	80	10.0	377	4	US-09-342-394-2	Sequence 2, Appli
18	80	10.0	377	4	US-09-580-064-2	Sequence 2, Appli
19	80	10.0	377	4	US-09-011-540-2	Sequence 2, Appli
20	73	9.1	345	1	US-08-403-866-2	Sequence 2, Appli
21	72	9.0	142	4	US-09-011-540-4	Sequence 4, Appli
22	72	9.0	557	3	US-09-320-095-10	Sequence 10, Appl
23	72	9.0	557	4	US-09-523-487-10	Sequence 10, Appl
24	71.5	8.9	159	6	5342615-3	Patent No. 5342615
25	71	8.8	1968	1	US-07-745-206A-7	Sequence 7, Appli
26	71	8.8	1968	1	US-08-455-543A-45	Sequence 45, Appl
27	71	8.8	1968	2	US-08-223-305C-45	Sequence 45, Appl
28	71	8.8	1968	2	US-08-311-363-7	Sequence 7, Appli
29	71	8.8	3665	2	US-08-222-617A-13	Sequence 13, App
30	71	8.8	3712	2	US-08-222-617A-4	Sequence 4, Appli
31	71	8.8	3712	2	US-08-222-617A-25	Sequence 25, Appl
32	70.5	8.8	145	3	US-09-030-613-9	Sequence 9, Appli
33	70.5	8.8	145	4	US-09-451-905-9	Sequence 9, Appli
34	70.5	8.8	153	1	US-08-100-744-3	Sequence 3, Appli
35	70.5	8.8	153	1	US-08-284-784-3	Sequence 3, Appli
36	70.5	8.8	153	2	US-08-854-811-3	Sequence 3, Appli
37	70.5	8.8	159	1	US-08-193-182-1	Sequence 1, Appli
38	70.5	8.8	159	1	US-08-139-862-1	Sequence 1, Appli
39	70.5	8.8	159	2	US-08-599-895-9	Sequence 9, Appli
40	70.5	8.8	159	3	US-09-211-290-9	Sequence 9, Appli
41	70.5	8.8	159	3	US-09-322-676-9	Sequence 9, Appli
42	70.5	8.8	159	4	US-09-466-036A-9	Sequence 9, Appli
43	70.5	8.8	159	6	5494663-6	Patent No. 5494663
44	70.5	8.8	271	2	US-08-599-895-7	Sequence 7, Appli
45	70.5	8.8	271	3	US-09-211-290-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-09-103-478-2
; Sequence 2, Application US/09103478
; Patent No. 6235975
; GENERAL INFORMATION:
; APPLICANT: Harada, John
; APPLICANT: Lotan, Tamar
; APPLICANT: Ohto, Masa-aki
; APPLICANT: Goldberg, Robert B.
; APPLICANT: Fischer, Robert L.
; TITLE OF INVENTION: LEAFY CotyledonI Genes and Their Uses
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/103,478
; FILING DATE: 24-JUN-1998
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/026,221
; FILING DATE: 19-FEB-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/804,534
; FILING DATE: 21-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Einhorn, Gregory P.
; REGISTRATION NUMBER: 38,440
; REFERENCE/DOCKET NUMBER: 023070-077611US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 208 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-103-478-2

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  Query Match             100.0%;  Score 804;  DB 4;  Length 208;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-85;
  Matches  150;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 REQDQYMPIANVIRIMRKILPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         28 REQDQYMPIANVIRIMRKILPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 87

Qy         61 ITAEDILWAMSKLGFDNYVDPLTVFINRYREHETDRGSALRGEPPSLRQTYGGNGIGFHG 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         88 ITAEDILWAMSKLGFDNYVDPLTVFINRYREHETDRGSALRGEPPSLRQTYGGNGIGFHG 147

Qy        121 PSHGLPPPGPYGYGMLDQSMVMGGGRYYQN 150
              ||||||||||||||||||||||||||||||
Db        148 PSHGLPPPGPYGYGMLDQSMVMGGGRYYQN 177


RESULT 2
US-09-103-478-19
; Sequence 19, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;    APPLICANT:  Harada, John
;    APPLICANT:  Lotan, Tamar
;    APPLICANT:  Ohto, Masa-aki
;    APPLICANT:  Goldberg, Robert B.
;    APPLICANT:  Fischer, Robert L.
;    TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  Calofornia
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/103,478
;      FILING DATE:  24-JUN-1998
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 09/026,221
;      FILING DATE:  19-FEB-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/804,534
;      FILING DATE:  21-FEB-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einhorn, Gregory P.
;      REGISTRATION NUMBER:  38,440
;      REFERENCE/DOCKET NUMBER:  023070-077611US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-103-478-19


  Query Match             57.3%;  Score 461;  DB 4;  Length 90;
  Best Local Similarity   98.9%;  Pred. No. 1.5e-46;
  Matches   89;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 REQDQYMPIANVIRIMRKILPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60
              |||||||||||||||||||||||||||||||||||||||||||||||||| |||||||||
Db          1 REQDQYMPIANVIRIMRKILPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60

Qy         61 ITAEDILWAMSKLGFDNYVDPLTVFINRYR 90
              ||||||||||||||| ||||||||||||||
Db         61 ITAEDILWAMSKLGFQNYVDPLTVFINRYR 90


RESULT 3
US-09-103-478-20
; Sequence 20, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;    APPLICANT:  Harada, John
;    APPLICANT:  Lotan, Tamar
;    APPLICANT:  Ohto, Masa-aki
;    APPLICANT:  Goldberg, Robert B.
;    APPLICANT:  Fischer, Robert L.
;    TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  Calofornia
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/103,478
;      FILING DATE:  24-JUN-1998
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 09/026,221
;      FILING DATE:  19-FEB-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/804,534
;      FILING DATE:  21-FEB-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einhorn, Gregory P.
;      REGISTRATION NUMBER:  38,440
;      REFERENCE/DOCKET NUMBER:  023070-077611US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-103-478-20


  Query Match             41.2%;  Score 331;  DB 4;  Length 90;
  Best Local Similarity   60.0%;  Pred. No. 2.3e-31;
  Matches   54;  Conservative   26;  Mismatches   10;  Indels    0;  Gaps    0;

Qy          1 REQDQYMPIANVIRIMRKILPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60
              ||||:::||||: |||:| :|::  |: :||||:||||||:|:| |:: ||:::||:|:||
Db          1 REQFPFIPIANISRIMKKAIPANGKIAKDAKETVQECVSEFISFITSEASEKCQKEKRKT 60

Qy         61 ITAEDILWAMSKLGFDNYVDPLTVFINRYR 90
              |  :|:|||||: |||::|::||  |:: :||
Db         61 INGDDLLWAMATLGFEDYIEPLKVYLQKYR 90


RESULT 4
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US-09-103-478-22
; Sequence 22, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;    APPLICANT:  Harada, John
;    APPLICANT:  Lotan, Tamar
;    APPLICANT:  Ohto, Masa-aki
;    APPLICANT:  Goldberg, Robert B.
;    APPLICANT:  Fischer, Robert L.
;    TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/103,478
;      FILING DATE:  24-JUN-1998
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 09/026,221
;      FILING DATE:  19-FEB-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/804,534
;      FILING DATE:  21-FEB-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einhorn, Gregory P.
;      REGISTRATION NUMBER:  38,440
;      REFERENCE/DOCKET NUMBER:  023070-077611US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-103-478-22


  Query Match             38.7%;  Score 311;  DB 4;  Length 90;
  Best Local Similarity   63.3%;  Pred. No. 5e-29;
  Matches   57;  Conservative   17;  Mismatches   16;  Indels    0;  Gaps    0;

Qy       1 REQDQYMPIANVIRIMRKTLPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60
           |||| |:|||| ||| :::|  ||: |||| :|||||:|||:| ||:||| :::||
Db       1 REQDIYLPIANVARIMKTSIPSSCKIAKDAKECVQECVSEFISFITSEASERCHQEKRKT 60

Qy      61 ITAEDILWAMSKIGFDNYVDPLTVFINRYR 90
           |  ||||:||| ||| :|||:||  :: :||
Db      61 INGEDILFAMSTLGFQSYVEPLKQYLQKYR 90


RESULT   5
US-09-103-478-21
; Sequence 21, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;    APPLICANT:  Harada, John
;    APPLICANT:  Lotan, Tamar
;    APPLICANT:  Ohto, Masa-aki
;    APPLICANT:  Goldberg, Robert B.
;    APPLICANT:  Fischer, Robert L.
;    TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/103,478
;      FILING DATE:  24-JUN-1998
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 09/026,221
;      FILING DATE:  19-FEB-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/804,534
;      FILING DATE:  21-FEB-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einhorn, Gregory P.
;      REGISTRATION NUMBER:  38,440
;      REFERENCE/DOCKET NUMBER:  023070-077611US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-103-478-21


  Query Match             37.9%;  Score 305;  DB 4;  Length 90;
  Best Local Similarity   61.1%;  Pred. No. 2.5e-28;
  Matches   55;  Conservative   18;  Mismatches   17;  Indels    0;  Gaps    0;

Qy       1 REQDQYMPIANVIRIMRKTLPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60
           |||| |:|||| ||| :::|  ||: |||| :|||||:|||:| ||:||| :::||
Db       1 REQDIYLPIANVARIMKNAIPQTGKIAKDAKECVQECVSEFISFITSEASERCHQEKRKT 60

Qy      61 ITAEDILWAMSKIGFDNYVDPLIVFINRYR 90
           |  ||||:||| ||| :|||:||  :: :||
Db      61 INGEDILFAMSTLGFQSYVEPLKLYLQKFR 90


RESULT   6
US-09-103-478-24
; Sequence 24, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;    APPLICANT:  Harada, John
;    APPLICANT:  Lotan, Tamar
;    APPLICANT:  Ohto, Masa-aki
;    APPLICANT:  Goldberg, Robert B.
;    APPLICANT:  Fischer, Robert L.
;    TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
```

```
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/103,478
;      FILING DATE:  24-JUN-1998
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 09/026,221
;      FILING DATE:  19-FEB-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/804,534
;      FILING DATE:  21-FEB-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einhorn, Gregory P.
;      REGISTRATION NUMBER:  38,440
;      REFERENCE/DOCKET NUMBER:  02307O-077611US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  24:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-103-478-24

  Query Match             37.9%;  Score 305;  DB 4;  Length 90;
  Best Local Similarity   61.1%;  Pred. No. 2.5e-28;
  Matches   55;  Conservative   18;  Mismatches   17;  Indels    0;  Gaps    0;

Qy        1 REQDQYMPIANVIRIMRKILPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60
            |||| |:|||:| |: : :     ||: |||| :|||:||:|:|:| ||:||: :|:|||
Db        1 REQDIYLPIANVARIMKNAIPQTGKIAKDAKECVQECVSEFISFITSEASERCHQEKRKT 60

Qy       61 ITAEDILWAMSKLGFDNYVDPLTVFINRYR 90
            |  ||||:||| ||| :||:|| ::: ::|
Db       61 INGEDILFAMSTLGFQSYVEPLKLYLQKFR 90


RESULT   7
US-09-103-478-25
; Sequence 25, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;    APPLICANT:  Harada, John
;    APPLICANT:  Lotan, Tamar
;    APPLICANT:  Ohto, Masa-aki
;    APPLICANT:  Goldberg, Robert B.
;    APPLICANT:  Fischer, Robert L.
;    TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  Calofornia
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/103,478
;      FILING DATE:  24-JUN-1998
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 09/026,221
;      FILING DATE:  19-FEB-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/804,534
;      FILING DATE:  21-FEB-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einhorn, Gregory P.
;      REGISTRATION NUMBER:  38,440
;      REFERENCE/DOCKET NUMBER:  02307O-077611US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-103-478-25

  Query Match             37.9%;  Score 305;  DB 4;  Length 90;
  Best Local Similarity   61.1%;  Pred. No. 2.5e-28;
  Matches   55;  Conservative   18;  Mismatches   17;  Indels    0;  Gaps    0;

Qy        1 REQDQYMPIANVIRIMRKILPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60
            |||| |:||||| |||:   :|     .|: |||| :|||||||:|||:| ||:||| :|:|||
Db        1 REQDIYLPIANVARIMKNAIPQTGKIAKDAKECVQECVSEFISFITSEASERCHQEKRKT 60

Qy       61 ITAEDILWAMSKLGFDNYVDPLTVFINRYR 90
            |   ||||:||| ||| :||:|| ::: ::|
Db       61 INGEDILFAMSTLGFQSYVEPLKLYLQKFR 90


RESULT   8
US-09-103-478-26
; Sequence 26, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;    APPLICANT:  Harada, John
;    APPLICANT:  Lotan, Tamar
;    APPLICANT:  Ohto, Masa-aki
;    APPLICANT:  Goldberg, Robert B.
;    APPLICANT:  Fischer, Robert L.
;    TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  Calofornia
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/103,478
;      FILING DATE:  24-JUN-1998
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 09/026,221
;      FILING DATE:  19-FEB-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/804,534
;      FILING DATE:  21-FEB-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einhorn, Gregory P.
;      REGISTRATION NUMBER:  38,440
```

```
;       REFERENCE/DOCKET NUMBER:  02307O-077611US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 576-0200
;       TELEFAX:  (415) 576-0300
;   INFORMATION FOR SEQ ID NO:  26:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  90 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
US-09-103-478-26


  Query Match             37.7%;  Score 303;  DB 4;  Length 90;
  Best Local Similarity   57.8%;  Pred. No. 4.3e-28;
  Matches   52;  Conservative   25;  Mismatches   13;  Indels    0;  Gaps    0;

Qy       1 REQDQYMPIANVIRIMRKTLPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60
           :|||::::|||| ||| :  || :|||: :||| :|||||:|||:| ||:|:||:|:||| 
Db       1 EEQDRWLPIANVAFIMKLAIPPNAKIAKEAKECMQECVSEFISFITSEASEKCQQEKRKT 60

Qy      61 ITAEDILWAMSKLGFDNYVDPLTVFINRYR 90
           :  ||||:||: |||:|| : | ::::::|| 
Db      61 VNGEDILFAMTSIGFENYAEALKIYLSKYP 90


RESULT   9
US-09-319-989-4
; Sequence 4, Application US/09319989
; Patent No. 6190914
; GENERAL INFORMATION:
;  APPLICANT: Grivell, Leslie A.
;  APPLICANT: Teixeira De Mattos, Maarten J.
;  APPLICANT: Blom, Jolanda
;  TITLE OF INVENTION: METHODS FOR MODULATING METABOLIC PATHWAYS OF
;  TITLE OF INVENTION: MICRO-ORGANISMS AND MICRO-ORGANISMS OBTAINABLE BY SAID
;  TITLE OF INVENTION: METHODS
;  FILE REFERENCE: 24615-20123.00
;  CURRENT APPLICATION NUMBER: US/09/319,989
;  CURRENT FILING DATE: 1999-06-14
;  EARLIER APPLICATION NUMBER: PCT/NL97/00688
;  EARLIER FILING DATE: 1997-12-12
;  EARLIER APPLICATION NUMBER: EPO 96203520
;  EARLIER FILING DATE: 1996-12-12
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;  LENGTH: 144
;  TYPE: PRT
;  ORGANISM: Artificial Sequence
;  FEATURE:
;  OTHER INFORMATION: Description of Artificial Sequence: HAP3
US-09-319-989-4


  Query Match             34.8%;  Score 280;  DB 4;  Length 144;
  Best Local Similarity   56.0%;  Pred. No. 4e-25;
  Matches   51;  Conservative   20;  Mismatches   20;  Indels    0;  Gaps    0;

Qy       1 REQDQYMPIANVIRIMRKTLPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60
           |||::::|| || |:|: ||| :|:| |||| :|||||| ||||| ||::|:  ::|||
Db      36 REQDRWLPINNVARLMKNILPPSAKVSKDAKECMQECVSELISFVTSEASDRCAADKRKT 95

Qy      61 ITAEDILWAMSKLGFDNYVDPLTVFINRYRE 91
           |  |||| ::  |||:|| : | ::: :|||:
Db      96 INGEDILISLHALGFENYAEVLKIYLAKYRQ 126


RESULT  10
US-09-103-478-28
; Sequence 28, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;    APPLICANT:  Harada, John
;    APPLICANT:  Lotan, Tamar
;    APPLICANT:  Ohto, Masa-aki
;    APPLICANT:  Goldberg, Robert B.
;    APPLICANT:  Fischer, Robert L.
;    TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/103,478
;      FILING DATE:  24-JUN-1998
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 09/029,221
;      FILING DATE:  19-FEB-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/804,534
;      FILING DATE:  21-FEB-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elnhorn, Gregory P.
;      REGISTRATION NUMBER:  38,440
;      REFERENCE/DOCKET NUMBER:  02307O-077611US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  90 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-103-478-28


  Query Match             34.6%;  Score 278;  DB 4;  Length 90;
  Best Local Similarity   56.7%;  Pred. No. 3.5e-25;
  Matches   51;  Conservative   19;  Mismatches   20;  Indels    0;  Gaps    0;

Qy       1 REQDQYMPIANVIRIMRKTLPSHAKISDDAKETIQECVSEYISFVTGEANERCQREQRKT 60
           ||||:::|| || |:|: |||  ||:| |||| : ||||| ||||| ||::||  ::|||
Db       1 REQDRWLPINNVAKLMKNILPPSAKVSKDAKECMQECVSELISFVTSEASDRCAADKRKT 60

Qy      61 ITAEDILWAMSKLGFDNYVDPLTVFINRYR 90
           |  |||| ::  |||:|| : | ::: :|| 
Db      61 INGEDILISLHALGFENYAEVLKIYLAKYP 90


RESULT  11
US-09-103-478-27
; Sequence 27, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;    APPLICANT:  Harada, John
;    APPLICANT:  Lotan, Tamar
;    APPLICANT:  Ohto, Masa-aki
;    APPLICANT:  Goldberg, Robert B.
;    APPLICANT:  Fischer, Robert L.
;    TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Townsend and Townsend and Crew LLP
;       STREET:  Two Embarcadero Center, Eighth Floor
;       CITY:  San Francisco
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94111-3834
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/103,478
;       FILING DATE:  24-JUN-1998
;       CLASSIFICATION:  800
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 09/026,221
;       FILING DATE:  19-FEB-1998
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/804,534
;       FILING DATE:  21-FEB-1997
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Einhorn, Gregory P.
;       REGISTRATION NUMBER:  38,440
;       REFERENCE/DOCKET NUMBER:  023070-077611US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 576-0200
;       TELEFAX:  (415) 576-0300
;   INFORMATION FOR SEQ ID NO:  27:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  85 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
US-09-103-478-27

  Query Match             34.1%;  Score 274;  DB 4;  Length 85;
  Best Local Similarity   58.3%;  Pred. No. 9.6e-25;
  Matches   49;  Conservative   20;  Mismatches   15;  Indels    0;  Gaps    0;

Qy          7 MPIANVIRIMRKILQHAKISDAKFIFQDVSEYISFVIQEANERCQREQRKIIIAEDI 66
              .||||| |.|:  |: : |.| :||: :|:||:|||||||||:|:| ::::|||  ||:
Db          2 LPIANVARIMKSALPENAKISKEAKETVQECVSEFISFVTSEASEKCQREKRKTINGDD 61

Qy         67 LWAMSKLGFDNYVDPLIVFINRYR 90
              | |.: |||:|| :    : : :||
Db         62 LLALNILGFENYAEVLKISLIKYR 85


RESULT 12
US-09-103-478-29
; Sequence 29, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;     APPLICANT:  Harada, John
;     APPLICANT:  Lotan, Tamar
;     APPLICANT:  Ohto, Masaaki
;     APPLICANT:  Goldberg, Robert B.
;     APPLICANT:  Fischer, Robert L.
;     TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;     NUMBER OF SEQUENCES:  29
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Townsend and Townsend and Crew LLP
;       STREET:  Two Embarcadero Center, Eighth Floor
;       CITY:  San Francisco
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94111-3834
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/103,478
;       FILING DATE:  24-JUN-1998
;       CLASSIFICATION:  800
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 09/026,221
;       FILING DATE:  19-FEB-1998
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/804,534
;       FILING DATE:  21-FEB-1997
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Einhorn, Gregory P.
;       REGISTRATION NUMBER:  38,440
;       REFERENCE/DOCKET NUMBER:  023070-077611US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 576-0200
;       TELEFAX:  (415) 576-0300
;   INFORMATION FOR SEQ ID NO:  29:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  90 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
US-09-103-478-29

  Query Match             33.2%;  Score 267;  DB 4;  Length 93;
  Best Local Similarity   55.1%;  Pred. No. 6.8e-24;
  Matches   49;  Conservative   19;  Mismatches   21;  Indels    0;  Gaps    0;

Qy          2 [illegible] 61
              |||::::|| || |:|: |||:   |:| |||| :||||||:||||| || :||   :|||
Db          2 FQDRWLPINNVARIMKNILPAIIKVSKDAKETMQECVSEFISFVTSEASDKCQREKRKTI 61

Qy         62 TAEDILWAMSKLGFDNYVDPLIVFINRYR 90
                ||||  ::   |||:|| : | ::: :||
Db         62 NGEDILLSLHALGFENYAEVLKIYLAKYR 90


RESULT 13
US-09-103-478-23
; Sequence 23, Application US/09103478
; Patent No. 6235975
;  GENERAL INFORMATION:
;     APPLICANT:  Harada, John
;     APPLICANT:  Lotan, Tamar
;     APPLICANT:  Ohto, Masaaki
;     APPLICANT:  Goldberg, Robert B.
;     APPLICANT:  Fischer, Robert L.
;     TITLE OF INVENTION:  LEAFY COTYLEDON1 Genes and Their Uses
;     NUMBER OF SEQUENCES:  29
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Townsend and Townsend and Crew LLP
;       STREET:  Two Embarcadero Center, Eighth Floor
;       CITY:  San Francisco
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94111-3834
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/103,478
;       FILING DATE:  24-JUN-1998
;       CLASSIFICATION:  800
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 09/026,221
;       FILING DATE:  19-FEB-1998
```

```
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/804,534
;      FILING DATE:  21-FEB-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Einhorn, Gregory P.
;      REGISTRATION NUMBER:  38,440
;      REFERENCE/DOCKET NUMBER:  023070-077611US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  57 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-103-478-23

  Query Match             25.2%;  Score 203;  DB 4;  Length 57;
  Best Local Similarity   61.4%;  Pred. No. 1.1e-16;
  Matches   35;  Conservative   14;  Mismatches    8;  Indels    0;  Gaps    0;

Qy         34 IQECVSFYISFVTGFANERCQREQRKTITAEDILWAMSKLGFDNYVDPLTVFINRYR 90
              :||||||:|||:| ||:||| :|:||||   ||||:||| ||| :||:|| ::: ::|
Db          1 VQECVSEFISFITSEASERCHQEKRKTINGEDILFAMSTLGFQSYVEPLKLYLQKFR 57


RESULT 14
US-08-681-812-7
; Sequence 7, Application US/08681812
; Patent No. 5763593
;  GENERAL INFORMATION:
;    APPLICANT:  Young, Richard A.
;    APPLICANT:  Gadbois, Ellen L.
;    APPLICANT:  Chao, David M.
;    TITLE OF INVENTION:  TBP-Associated Global Negative Regulator
;    TITLE OF INVENTION:  and Methods of Use Thereof
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hamilton, Brook, Smith & Reynolds, P.C.
;      STREET:  Two Militia Drive
;      CITY:  Lexington
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02173
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/681,812
;      FILING DATE:  29-JUL-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Granahan, Patricia
;      REGISTRATION NUMBER:  32,227
;      REFERENCE/DOCKET NUMBER:  WHI96-07
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-861-6240
;      TELEFAX:  617-861-9540
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  156 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-681-812-7

  Query Match             20.1%;  Score 161.5;  DB 1;  Length 156;
  Best Local Similarity   28.6%;  Pred. No. 3.1e-11;
  Matches   28;  Conservative   32;  Mismatches   37;  Indels    1;  Gaps    1;

Qy          2 FQDQYMPIANVIRIMRETLPSHAKISDDAKETIQECVSFYISFVTGFANERCQREQRKTI 61
              : |  :| | : :::::||| : ::::||:| :   | :|:|   :: |||| | : ::|||
Db          4 DEDLTIFRAAINEMIKETLP-NVFVANPAEELVVNCITEFIHLISFEANEICNKSEKKTI 62

Qy         62 TAEDILWAMSKLGFDNYVDPLTVFINRYREIETDRGSA 99
              : | :: |:  ||| :|:  :    :   : :   |  |
Db         63 SPEHVIQALESLGFGSYISEVKEVLQECKIVALKKRKA 100


RESULT 15
US-08-681-812-5
; Sequence 5, Application US/08681812
; Patent No. 5763593
;  GENERAL INFORMATION:
;    APPLICANT:  Young, Richard A.
;    APPLICANT:  Gadbois, Ellen L.
;    APPLICANT:  Chao, David M.
;    TITLE OF INVENTION:  TBP Associated Global Negative Regulator
;    TITLE OF INVENTION:  and Methods of Use Thereof
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hamilton, Brook, Smith & Reynolds, P.C.
;      STREET:  Two Militia Drive
;      CITY:  Lexington
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02173
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/681,812
;      FILING DATE:  29-JUL-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Granahan, Patricia
;      REGISTRATION NUMBER:  32,227
;      REFERENCE/DOCKET NUMBER:  WHI96-07
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-861-6240
;      TELEFAX:  617-861-9540
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  133 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-681-812-5

  Query Match             10.3%;  Score 82.5;  DB 1;  Length 133;
  Best Local Similarity   22.9%;  Pred. No. 0.041;
  Matches   24;  Conservative   26;  Mismatches   48;  Indels    7;  Gaps    2;

Qy         12 VIRIMRETLPSHAKISDDAKETIQECVSFYISFVTGFANERCQREQRKTITAEDILWAMS 71
              | ::: : |        : ||:| |       |:|  ::  |:|      | :|||  | :: |:
Db          2 VQKMISEILDQDLMPTKDAREIIINSGIEFIMILSSMASEMADNEAKKTIAPEHVIKALE 61

Qy         72 KLGFDNYVDPLTVFINRYR---EIEIDRGSALR----GEPPSLRQ 109
              :|  ..  ..  |    .  ..   ...  | |  :     |   |||
Db         62 ELEYNEFIPFLEEILNFEGSQKVEETEDSKPKKSGLSEEELLRQ 106


Search completed: November 28, 2001, 19:50:23
Job time: 125 sec
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